

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IT 03/00547

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B30B9/16 B30B9/12 B01D29/82

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B30B B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No:
X	WO 03 031166 A (CHRISTIANSEN CHRISTIAN VERNER ;ATLAS STORD DENMARK AS (DK)) 17 April 2003 (2003-04-17) claims; figures ---	1,2,5,8
Y	US 4 565 124 A (JACOBSEN STEINAR F ET AL) 21 January 1986 (1986-01-21) figures 3,4 ---	3,4,6,7
Y	EP 0 930 152 A (BABBINI LIONELLO) 21 July 1999 (1999-07-21) figures 1,3,11 ---	3,4,6,7
X	EP 0 930 152 A (BABBINI LIONELLO) 21 July 1999 (1999-07-21) figures 1,3,11 ---	1,2,5,8
A	GB 677 794 A (HANS ANDREAS HARTNER) 20 August 1952 (1952-08-20) page 1, line 66 – line 84; figure 1 ---	1,3,4,6, 8
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the International search

16 April 2004

Date of mailing of the international search report

23/04/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL – 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Belibel, C

INTERNATIONAL SEARCH REPORTInt'l Application No
I.U., IT 03/00547**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 461 793 A (SOLBERG PER) 19 August 1969 (1969-08-19) figures -----	1
A	EP 0 773 100 A (BABBINI & C SAS FLLI) 14 May 1997 (1997-05-14) figures -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IT 03/00547

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 03031166	A	17-04-2003	DK WO	200101494 A 03031166 A1		11-04-2003 17-04-2003
US 4565124	A	21-01-1986	NO DE DE FR GB IT	823739 A 3340734 A1 8332361 U1 2535645 A1 2129700 A ,B 1168227 B		11-05-1984 10-05-1984 19-04-1984 11-05-1984 23-05-1984 20-05-1987
EP 0930152	A	21-07-1999	IT EP	MI980066 A1 0930152 A1		15-07-1999 21-07-1999
GB 677794	A	20-08-1952	BE DE FR	495961 A 828483 C 1022329 A		17-01-1952 03-03-1953
US 3461793	A	19-08-1969	FR GB	1530904 A 1140237 A		28-06-1968 15-01-1969
EP 0773100	A	14-05-1997	IT AT CZ DE DE DK EP ES JP NO US	B0950532 A1 213459 T 9603288 A3 69619336 D1 69619336 T2 773100 T3 0773100 A1 2172616 T3 9273066 A 964738 A 5743178 A		12-05-1997 15-03-2002 14-05-1997 28-03-2002 19-09-2002 03-06-2002 14-05-1997 01-10-2002 21-10-1997 12-05-1997 28-04-1998